



Nymax™ GB 1200 20 HS BLACK 18

Polyamide 66

Key Characteristics

Product Description		
Preliminary Data Sheet		
General		
Material Status	• Commercial: Active	
Regional Availability	• North America • South America	
Filler / Reinforcement	• Glass Bead	
Additive	• Heat Stabilizer	
Features	• Heat Stabilized	
Appearance	• Black	
Forms	• Pellets	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.28	1.28	ASTM D792
Molding Shrinkage - Flow	0.014 in/in	1.4 %	ASTM D955
Water Absorption (24 hr, 0.125 in (3.18 mm))	0.90 %	0.90 %	ASTM D570
Ash Content	20.0 %	20.0 %	ASTM D2584
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	9000 psi	62.1 MPa	ASTM D638
Tensile Elongation ² (Break)	2.0 %	2.0 %	ASTM D638
Flexural Modulus	550000 psi	3790 MPa	ASTM D790
Flexural Strength	16000 psi	110 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Injection Molded	0.600 ft-lb/in	32.0 J/m	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Annealed, 0.125 in (3.18 mm)	428 °F	220 °C	
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	185 °F	85.0 °C	
Melting Temperature	509 °F	265 °C	ASTM D789
Additional Properties			
Molded Test Bars: Dry as Molded			

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)

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